

Better Dentistry, Better Life

Product
Catalog
2026



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Bondent Group is a platform that provides "integrated services" for the dental profession. From education and training of doctors, introduction of foreign cutting-edge technology, to domestic independent research, development and manufacturing, the company is committed to creating a new and healthy dental-medical ecosystem through seamless integration of physical and virtual presence, thereby, improving the quality of personal and professional lives of dentists around the world.

📌 We have 8 subsidiaries, 15 offices and more than 1000 employees globally. Be tolerant to diversity, tolerance is a virtue. Bondent is an open and resource-converging platform, has won a good reputation in the industry with its business philosophy of "inclusive of all rivers, compatibility and inclusiveness"

Today, Bondent's product portfolio consists of dental equipment: Semor microscope, CBCT & dental unit as well as consumables like UDG endo files, IEZ implants and Dr. Kelier Invisible Aligner.



Introduction

📍 Located in China's dental valley, Sichuan Bondent Dental Equipment Co., Ltd is a high-tech enterprise dedicated to the research, development, manufacture and sales of dental equipment. It is a part of the Shanghai Bondent Group.

Bondent owns E classic series and S high-end series, which makes dental consultation convenient and comfortable.

**Built to
serve
and last**



BONDENT
DENTAL UNIT

Bondent Dental Unit

Built to serve and last

- 👉 Doctors Oriented-The handy operation of the unit creates a comfortable workplace for treatment.



👉 **S-500**
Integrated Dental Unit

Simple
Smart
Stylish



👉 **E-200**
Integrated Dental Unit

Dual mastercontrolsystem
LED surgical lighting
Ergonomic design



👉 **JX1000**
DENTAL SIMULATION PRACTICE SYSTEM

Real Dental Chair Position Simulation
Seamless Four-Handed Operation Training
Follow-Up Mechanism: Fixed Distance
Easy Student Operatio

➤ Great Functionality

S500 Dental Unit, a product that combines practicality, functionality and aesthetic, is specially designed with the ideas of minimal invasiveness, comfort, safety and convenience”.

It's built to cater to the needs of doctors for an ideal work environment, and the needs of patients for comfort during treatment.



> Patients Oriented

Seat Swivel (90°)

- Easier patient access: Facilitates getting on/off the dental chair, boosting convenience.
- Better comfort: Adjustable per patient needs for a more relaxed treatment experience.
- Less anxiety: Humanized design eases tension, upgrading overall visit satisfaction.

Foldable Patient Chair

- The ultra-low chair position with an initial height of only 450mm, and the Narrow - Top & Wide - Bottom Backrest Design Backrest with narrow upper part allows doctors to get close to patients.
- Foldable patient chair make it more convenient for patients to get on and off the chair, especially for the elderly, children and physically challenged people.



Compound Lankage Structure

The self-developed horizontal compensation and foot-lifting composite mechanism makes the pitching and lifting motion trajectory of the chair closer to the motion trajectory of the human hip joint, reducing the feeling of back rubbing caused by the inconsistent motion trajectory of the seat and the human body and enhancing patient's experience during treatment.



> Doctors Oriented



7-inch smart touch screen.



3 groups of 3-position memory program.



Time for cuspidor rinsing and mouth-rinsing can be adjusted.



Temperature of mouth-rinsing water can be adjusted and displayed.



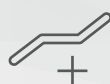
Linkage function for operation lamp, chair and cuspidor rinsing. Doctor's operation instructions are performed instantly.



The control system has failure self-checking function. Alarm will be triggered and error code will be displayed when an error occurs.



Camera system can be installed on the LED operation lamp to provide for doctors high-definition image and high magnification for minimally invasive surgery.



Suspension Dental Chair Offers dentists ample legroom during treatment, enabling comfortable postures.

> Assistant oriented

Create a Caring Work Environment for Assistant



1 Independent Bottles for Pure Water and Disinfection Water

The transparent door allows assistant to observe the water level of the water bottles, so as to know when to switch the source of water and adjust the pressure of the overall unit.



2 2 in 1 Cap & Tissue Dispenser

The patented dispenser can reduce the workload of the assistant.



3 Electric Cuspidor

The movement of the cuspidor can be controlled via the button on the control panel. Quick and easy adjustment helps to avoid cross infection.



4 Short Light Suction Tubes

The short and lightweight tubes can reduce the discomfort caused by the suction force of the pipeline to both assistant and patients.

Assistant Instrument Table

The large-sized table allows assistant to place more tools on it.

Assistant Control Panel

The assistant can easily help doctor control the status of the dental unit with the control panel.

Smart Control System, Integrated Versatility

Make Every Function Synergistically Linked

Capacitive Touch Screen Integration

The new control method enables effortless control and data display of the scaler, electric motor, and operating light (brightness adjustment)



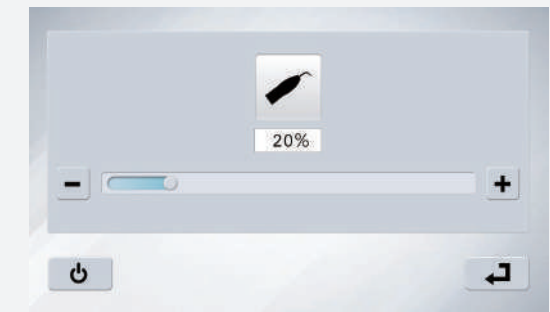
More Intuitive Operation

Touchscreen adjustment allows dentists to complete function settings easily, saving time and effort while focusing more on treatment.



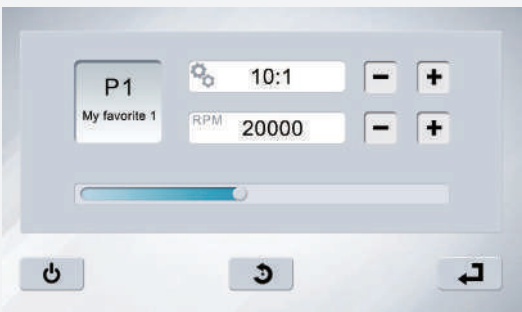
Integrated Ultrasonic Scaler

Enable dentists to perform scaling procedures in the same operating scenario, reducing instrument adjustment time, which is labor-saving and precise.



Integrated Electric Motor

Allow dentists to operate without frequent device switching, making operations more concentrated and continuous, and greatly improving treatment efficiency.



Safety Guaranteed

The pipeline disinfection system for strong and weak suction and delay control can effectively avoid cross infections.

One-button Auto-pulse Pipeline Disinfection System

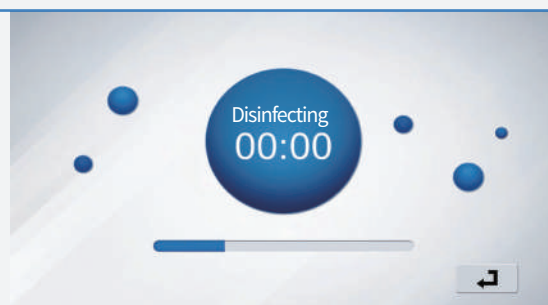
One-button operation. The disinfection process is completely automated.

The waterway disinfection of all the instruments on the instrument rack is ensured.



Anti- retraction System

The anti-retraction system prevent the handpiece from internal contamination, which can help protect patients from cross infection.



Disinfection Water System

The disinfectant water system provides sterile water source for dental treatment and avoids wound infection.



Sensitive safety protection device—
When the unit runs into an obstacle,
press any button for a rapid
emergency shutdown.

> Doctor Stool



Four-imensional Floating Support

Lumbar support, cushion, armrests: full-range linked adjustment. Fits doctors' sitting curves (various builds), fatigue-free long sitting, no compensatory lumbar strain.

Zero-esistance Force Sliding

360° silent casters with magnetic positioning: light & precise movement. No need to stand up for complex procedure switches, ensuring seamless treatment flow.

> Assistant stool

Ergonomic backrest

Adjusts for healthy posture, shortens nurses' movement, faster response.

Microfiber leather

Softer, breathable, high wear resistance.

Seat cushion

Φ 370mm, 360° swivel; standing-assist mode lowers, reduces varicose risk.



Solid cast aluminum 5-star base (Φ 540mm) + imported silent casters.

Foot-controlled height adjustment.

Air cylinder
seat lift
500-640mm

Color Code for Dental Unit

Domestic PU

											
Spring Green 8068-3	Pink 8068-6	Dark Blue 8068-7	Blue 8068-9	Black 8068-14	Lake Blue 8068-15	Orange 8068-16	Brownish red 8068-17	Coffee Brown 1621	Gray DH-15	Indianred 8069-4	Yellow 8069-11

Imported PU

					
Silver Gray DR9068-1	Grass Green DR9068-2	Orange DR9068-3	Dark Blue DR9068-4	Light Blue DR9068-5	Red Violet DR9068-7

Domestic Micro fiber leather

											
Gray DR009-41	Light Gray DR009-01	Ash Black DR009-05	Ivory White DR009-09	Coffee Brown DR009-18	Grass Green DR009-19	PaleTurquoise DR009-20	Orangered DR009-23	Rosy Red DR009-24	Dark Blue DR009-25	Pale grey DR009-28	Sky Blue DR009-40

Ideal Lighting for Treatments

Anti - Resin Curing Mode:

3000K, less blue light, slower resin cure.

Implant/Surgery Mode:

4500K, shows soft - tissue color differences, helps identify roots/blood/periodontal tissues.

Color - Matching Mode:

5500K, cool + warm LEDs, aids dentists in choosing treatment wavelengths.



LED-ZZ03 lamp

Brightness: 7000 - 100000Lux

Color temp : 4000 - 5700K

CRI : >92%



LED-ZZ01 lamp

Brightness: 7000 - 120000Lux

color temp : 4000 - 5500K

CRI : >92%



LED- ZZ02 lamp

Brightness: 7000 - 100000Lux

color temp : 4000 - 5500K

CRI : >92%

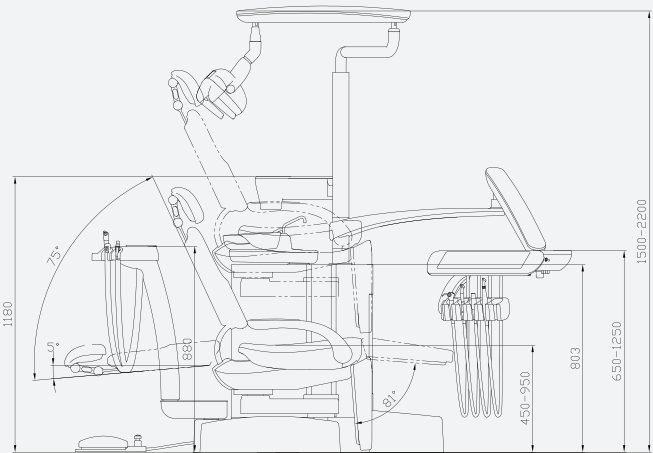
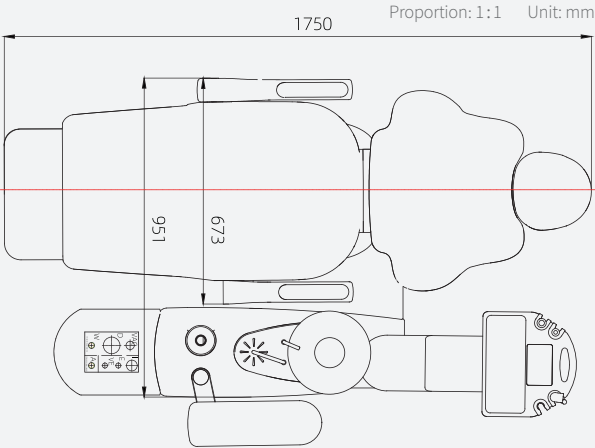


S500 installation dimension

Note: The specifications of the configuration diagram are for reference only

Model: S500
Printed by Bondent

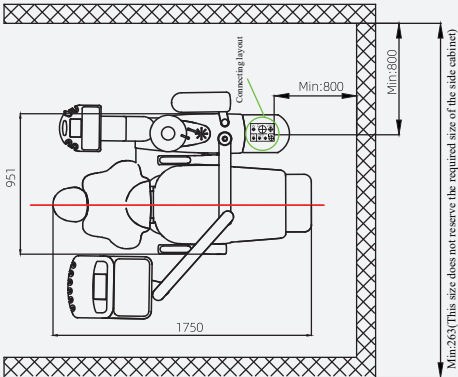
- W: Water inlet (Water PT1/2 H=30mm)
- D: Drain-pipe (Drain Vp50 H=30mm)
- VAC: Negative pressure pipe (Vacuum Cleaner ϕ 25)
- A: Inlet air pipe (Air PT1/2 H=30mm)
- VE: Negative pressure signal line (Vacuum line)
- E: Power line (Power AC:220V;P:350VA)
- I: Cashing pipe (Information)



Dimension drawing of the unit S500

Note: The content is for reference only

Proportion: 1:1
(Unit: mm)



Remarks:
1. The minimum installation size indicated on the drawings refers to the minimum space around the dental chair that must be guaranteed, excluding the space occupied by side cabinets and other devices.
2. Under the premise of ensuring the minimum installation size, the actual installation size can be determined according to the overall layout of the room.

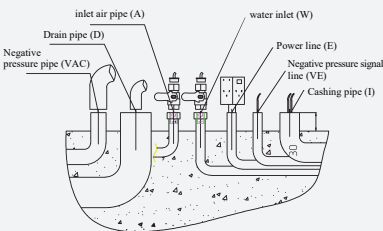
Enlarged drawing of height of water, air and electricity connections

Note: The content is for reference only

Proportion: 2:1
(Unit: mm)

Instruction of pipeline

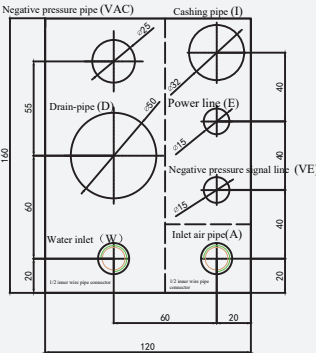
Negative pressure pipe (VAC): UPVC (blue) Tube outer diameter Φ 25
Drain-pipe (D): PVC (white) Φ 50mm
Water inlet (W): PPR 1/2 inner wire copper connector, copper ball valve, water inlet and air inlet conversion connector
Inlet air pipe (A): PPR 1/2 inner wire copper connector, copper ball valve, water inlet and air inlet conversion connector
Power line (E): The fire, zero and ground wires are contacted from the air switch box, 3X1.5 mm² line; (PVC white 4-points Φ 15mm cashing pipe) It is recommended to reserve a socket with a switch
Negative pressure signal line (VE): 2X1 mm² line PVC threading pipe 4 points Φ 15
Cashing pipe (I): VGA Video and USB data cable tube, PVC threading pipe Φ 32 (It is recommended to leave the iron wire for later threading)



Enlarged drawing of layout of the water, air and electricity connections

Note: The content is for reference only

Proportion: 5:1
(Unit: mm)



> Dental Unit- S500

Item	Standard Configuration	Unit	Qty.
Patient Chair	Folding Type Floating Patient Seat with Linkage Movement	Set	1
	Microfiber Upholstery(head pillow+backrest+seat+Foot Pad)	Set	1
	Multifunctional Foot Pedal	Set	1
	Electric Rotation Seat	Set	1
	Pneumatic Waist Rest	Set	1
Operation Lamp	LED-ZZ03 Shadowless Operation Lamp	pcs	1
Dentisit Element	Hanging Istrument Table+Stainless Steel Tray	Set	1
	7 inch LCD Color Control Screen*1	Set	1
	High-speed Handpiece Tubes	Set	2
	Low-speed Handpiece tubes	Set	1
	Pipelines with Anti-suction System	Set	1
	Automatic Spittoon-flushing Control System	Set	1
	Touch Control System, Temperature of Mouthwash Can Be Adjusted	Set	1
	3-way Syringe: Cold Water	Set	1
	One-button Auto Impulse Pipeline Disinfection System	Set	1
Side Box Unit	Movable Glass Spittoon It Can Be Removed for Disinfection	Set	1
	Position-selection Valve	Set	1
	Pure Water Supply System	Set	1
	Patented Tissue Box	Set	1
	Spittoon Flushing System	Set	1
Assistant Element	Multifunction Control Display Panel on Assistant Table	Set	1
	Strong and Weak Suction Filtration System	Set	1
	Strong Suction	Set	1
	Weak Suction	Set	1
	3-way Syringe: Cold & Hot Water	Set	1
Built-in Type Ground Box	Position-selection Valve (or Suction generator)	Set	1
	Air Filter	Set	1
	Tap Water Filter	Set	1
Doctor Stool	Type C Doctor Stool	Set	1
Assistant Stool	Assistant Stool	Set	1
Ultrasonic Scaler	Woodpecker N2 Ultrasonic Scaler	Set	1
Electric Motor	COXO C-PUMR Electric Motor (Without Screen)	Set	1

PRAISE FOR SIMPLICITY

➤ E-200 Integrated Dental Unit

Operator-oriented

Comfortable treatment environment

Ultra-thin cushion and upper narrow design enable the doctor to get close to the patient and obtain a more comfortable working position.

Application of space geometry, combined with compact sidepod, instrument tray; E200 has a better sense of space, providing doctors and assistants with good FOV and operating

Safer and more convenient operation

The arm is easy to operate, you can pull it to the specified location gently and stop stably.

Reliable light sensing touch button, multi-key composite linkage, dual-master control design and four-point design make the operation easy. Super-short strong and weak straw design makes the assistant operation easier and more convenient. External super-large filter design to ensure suction more efficiently and easy to maintain and clean.

Comfortable visiting experience

Ergonomic chair allows patients to get effective support at the waist.

High cushion pivot point and rotation design: it is closer to the point of rotation of the hip joint, reducing the discomfort caused by the rotation of the cushion.

Thoughtful support environment

More space for assistants to help doctors with four-handed operation.

Combined paper cup and paper towel design and the button of rinsing located above cuspidor make it convenient for patients to take by themselves, thus reducing the workload of the assistant.



Optimized structure design

① Rotating handrail design

Easy for patients to get up and down.

② Quick motor

With the imported DC super silent motor, the cushion can be reset at 9 seconds;
Motor 5 years warranty, so that you can use it with peace of mind.

③ Double joint head pillow

Suitable for patients with different heights;
It can be moved along with patient's head, which is convenient for observation and operation.
The ergonomic design of the headrest can support your back neck, making the patient comfortable and relaxed.

④ Friendly man-machine interface

Dual master control four-point control;
Inductive touch; Cuspidor-wash and rinse time can be adjusted;

The temperature of mouthwash can be adjusted; Three groups of 9 memory chairs position; the multifunctional linkage of light, chair, cuspidor;
Interlock between handpieces and chairs.

⑤ Rotating cuspidor

150° rotating, it can be rotated to the appropriate location for the patient to spit;
Easy to disassemble, can undergo 360° disinfection;
Independent button is convenient for patients to gargle and rinse;
Transparent glass cuspidor with high temperature coating is exceptionally hard and smooth, highly wearable and scratch resistant.

⑥ Salivary filter

located on the side of the assistant shelf, convenient to change and clean;
The strong and weak straws from the side of the assistant shelf make them shorter, reduce discomfort to nurses and patients due to straw gravity.

⑦ Polymer sidepod

Sidepod design is compact and simple, making full use of the operatory space;
It's durable and never fades.

⑧ Patented design paper towel box

Can rotate freely, and it is convenient and smooth to take the last piece of paper towel without affecting the work of doctors and assistants;
Flat upper cover design allows place small items on top.

⑨ Double joint assistant rack

The wide-degree rotation and small sidepod provides enough operating space for the assistant to the four-handed operation;
Flexible in rotation, easy for the assistant to localize.





E-200
Integrated Dental Unit

PERSONALIZED
DESIGN

Specifications

Method of transportation	Hanging
Voltage	100VAC,115VAC,220-240VAC
Supply frequency	50/60Hz
Inlet water pressure	200-400Kpa
Inlet air pressure	550-800Kpa
Weight	180Kg
Mounting	Floor mounting
Color	White (RAL9016)



It can be equipped with a microscope for micro-treatment.

Lighting Option



LED-AZS (E200B standard)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 7000-56000lx;
- Color temperature range: 4000-5500k(7 steps);
- Digital display of color temperature and illumination;
- The handle can be removed for disinfection;
- Camera system can be added;
- CRI(color renderingindex) Ra>90.



LED-ZZ02 (optional)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 10000-120000lx;
- Color temperature range:4000-5500k(7 steps);
- Good shadowless lighting effect
- Digital display of color temperature and illumination;
- The handle can be removed for disinfection;
- Camera system can be added;
- CRI (color renderingindex) Ra>90.



LED-FSM (optional)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 7000-32000lx;
- High color temperature (5500k), low color temperature (4000k);
- It has the function of blue light cutoff (prevent premature setting of resin materials);
- The handle can be removed for disinfection.
- Mental frame
- CRI (color rendering index) Ra>92.



LED-FSH (E200A/C standard)

- The switch, color temperature and illumination can be controlled by touch;
- Illumination range: 7000-32000lx;
- It has the function of blue light cutoff (prevent resin solidified);
- The handle can be removed for disinfection.



Top-mounted (optional)



Hanging (E200A standard)



Hanging (E200B standard)

DENTAL SIMULATION PRACTICE SYSTEM

> Feature

- Doctor's Unit: Flexible Positioning
- Ample Instrument Position Space
- Easy Adjustment & Organization



One key extends to the working position, and another returns to the original position, ensuring smooth and convenient operation.



Electrically controlled head mold with key-press elevation for smooth and precise adjustment.



Fast-pitch mechanism enables quick and accurate angle adjustment of the head mold.



Doctor's and assistant's instrument rack maintain optimal distance from the head mold at any position, ensuring easy access to instruments during training.



> Optional



Compatible with Microscope Trainers ,
Perfect Partner for Enhanced Training

- Seamlessly pairs with Microscope Trainers (TME) — perfect partners for maximizing training outcomes.
- Master microscope operation skills while learning refined dental treatments, achieving comprehensive skill development.



Video Recording System ,
Ultra-Clear Real-Time Display

Optional audio-visual recording system with crystal-clear live feed elevates training outcomes to new heights. It boosts instructor-trainee interaction efficiency and allows documentation of trainees’ excellent practical performances.

Dental Unit-JX1000

Item	Standard Configuration	Unit	Qty.
Dentist Element	High speed motor tubes	pcs	1
	Low speed motor tubes	pcs	1
	3-way syringe: cold water	pcs	1
	Multi-function control panel	pcs	1
	Induction, light curing mode, reflective LED-FSH operationl lamp	pcs	1
	Stainless steel round foot pedal	pcs	1
Assistant Position	Weak suction (air suction)	pcs	1
	3-way syringe: cold water	pcs	1
Other	Head-form	pcs	1
	Shoulder body	pcs	1
	Wheel	pcs	4
	Waste water bottle	pcs	1
	Pure water bottle	pcs	1

BONDENT ACADEMY

📢 Bondent Academy is a dental training platform specially built by bondent group. By providing practical and cutting-edge international technical and management training for dentists, it helps to promote the professional development of dentists.

Bondent Academy supports the international Continue Educations, University Grant Program and Global OPLs Network.



Invisible Orthodontics



Periodontal Implant



Micro Endodontic



General Laser



Manage Operations



Imaging Equipment

IMAGING

DENTAL UNIT

MICROSCOPE

ENDO

ENDO DEVICES

ACADEMY

BONCARE



Boncare, born to care,
ready to serve.

Boncare, Bondent's after-sales service sub-brand. Guided by the philosophy **"Boncare, born to care!"**, it is dedicated to delivering fast, reliable, and systematic support, ensuring dental professionals worldwide can practice with confidence.

📌 Boncare Advantages



24/7 Fast & Reliable Response

Rapid Response to Minimize Wait Times and Reduce Downtime.



Life-Cycle Care, End to End

Guiding You Every Step of the Way:
From Vision to Value.



Global Reach, Local Support

Providing Localized Service Worldwide.
Where Challenges Grow, We Flow.

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